

LISTING OF CLAIMS

1-16. Canceled

17. (Previously presented) A nucleic acid encoding a protein comprising more than two antigenic peptides from the same domain from different genotypes of hepatitis C virus and wherein the mosaic protein comprises the amino acid sequences set forth in SEQ ID NOs:23-33.

18. Canceled

19. (Previously presented) A nucleic acid encoding a protein comprising more than two antigenic peptides from the same domain from different genotypes of hepatitis C virus, wherein the antigenic peptides are from non-structural proteins, and wherein the mosaic protein comprises the amino acid sequence set forth in SEQ ID NO:52.

20-30. Canceled

31. (Previously presented) A nucleic acid encoding a mosaic protein comprising more than two homologous antigenic peptides from different genotypes or subtypes of a species of Hepatitis C virus, wherein the antigenic peptides are selected from the amino acid sequences set forth in SEQ ID NOs:23-33.

32. (Previously presented) The nucleic acid of claim 31, wherein the encoded mosaic protein comprises the amino acid sequences set forth in SEQ ID NOs:23-33.

33. (Previously presented) The nucleic acid of claim 31, wherein the encoded mosaic protein comprises the amino acid sequences set forth in SEQ ID NOs:23-33 in numerical order.

34. (Previously presented) A nucleic acid encoding a mosaic protein comprising more than two homologous antigenic peptides from different genotypes or subtypes of a species of Hepatitis C virus, wherein the encoded mosaic protein has an amino acid sequence set forth in SEQ ID NO:52.